

CLAIM OR CLAIMS

We claim:

1. A method of treating visual system disease or injury, comprising the steps of
 - a) exposing a component of a patient's visual system to light treatment, wherein the light treatment is characterized by wavelength between 630 – 1000 nm and power intensity between 10 – 90 mW/cm² for a time of 1 – 3 minutes, and
 - b) observing restoration or protection of visual function.
2. The method of claim 1 wherein the wavelength is selected from the group consisting of 670 nm, 830 nm and 880 nm.
3. The method of claim 1 wherein the wavelength is between 670 – 900 nm.
4. The method of claim 1 wherein the light treatment is characterized by an energy density of between .5 – 20 J/cm².
5. The method of claim 4 when the energy density is between 2 – 10 J/cm².
6. The method of claim 1 wherein the patient is exposed to light treatment multiple times.

7. The method of claim 6 wherein the exposure is at least 3 times.
8. The method of claim 1 wherein the patient is exposed to light treatment intervals of 24 hours.
9. The method of claim 1 wherein the treatments are administered 2 – 3 times per day.
10. The method of claim 1 wherein the component of the visual system comprises the patient's retina.
11. The method of claim 1 wherein the component of the visual system is selected from the group consisting of cornea and optic nerve.
12. The method of claim 1 herein the retinal function is evaluated.
13. The method of claim 1 wherein the light is supplied by an LED device.
14. The method of claim 1 wherein the power intensity is between 25 – 50 mW/ cm².